



FIG. 1

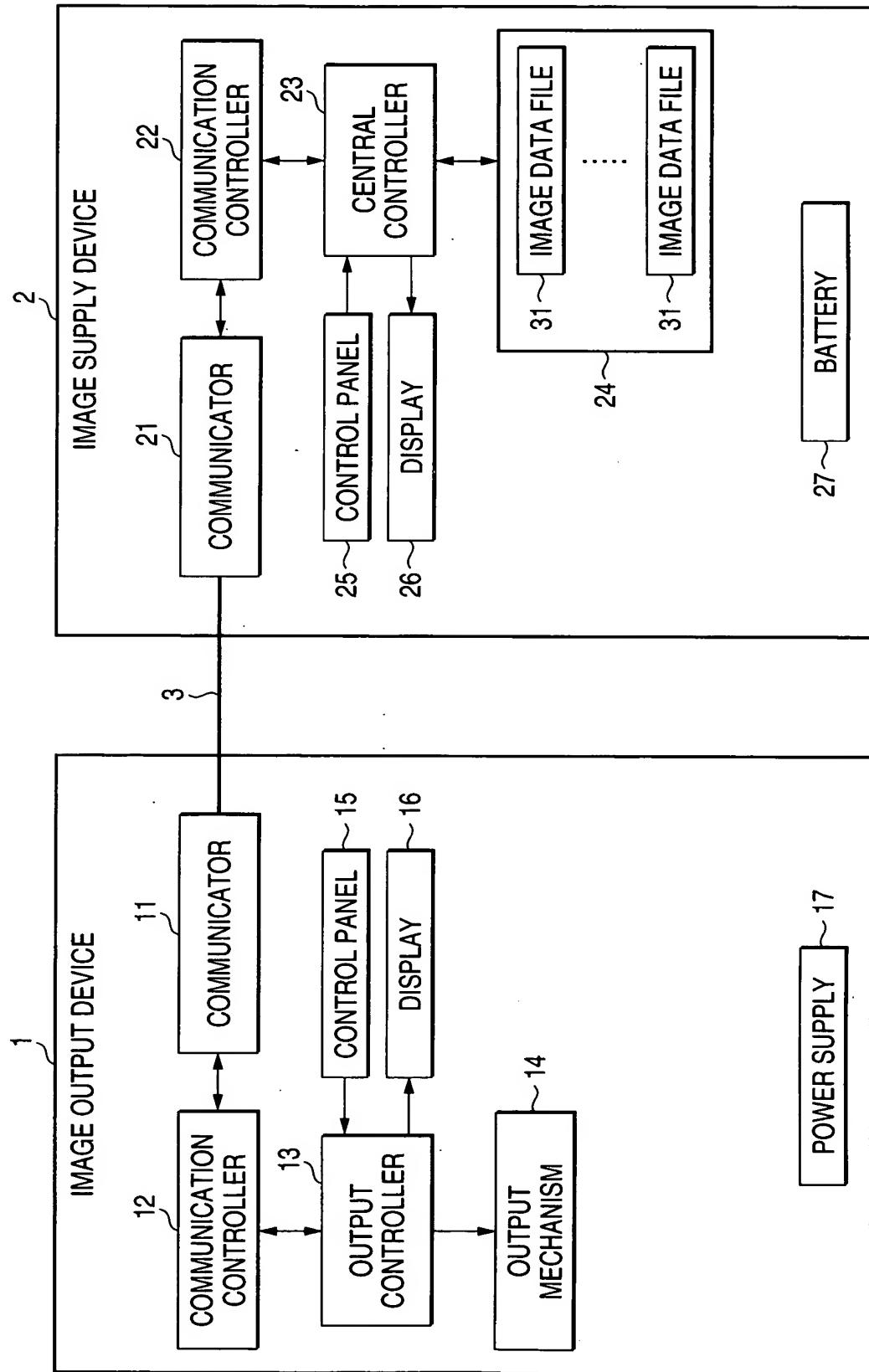


FIG. 2

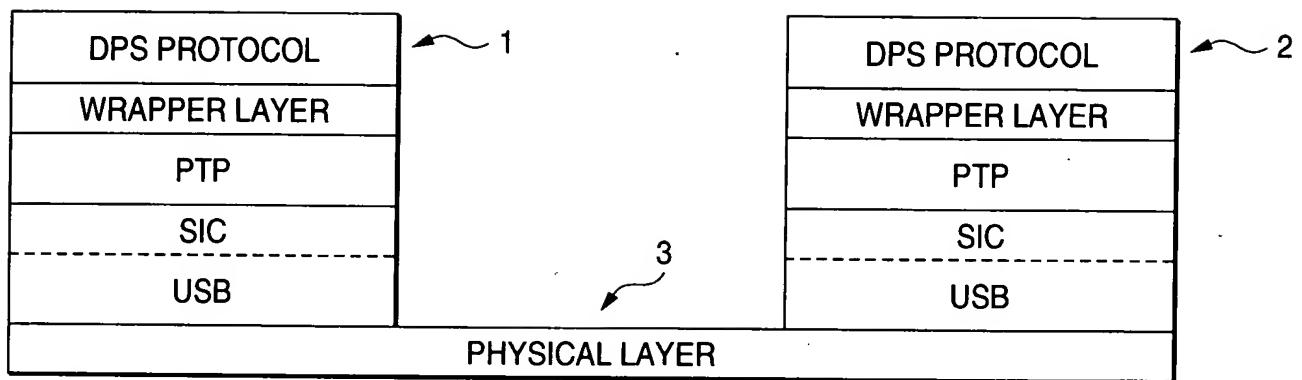


FIG. 3

| XML COMMAND LIST |
|---------------------|
| DPS_DiscoverService |
| DPS_Configure |
| DPS_GetCapability |
| DPS_GetJobStatus |
| DPS_GetDeviceStatus |
| DPS_GetObjectID |
| DPS_GetFileInfo |
| DPS_GetFile |
| DPS_GetPartialFile |
| DPS_GetFileList |
| DPS_GetThumb |
| DPS_StartJob |
| DPS_AbortJob |
| DPS_ContinueJob |

FIG. 4

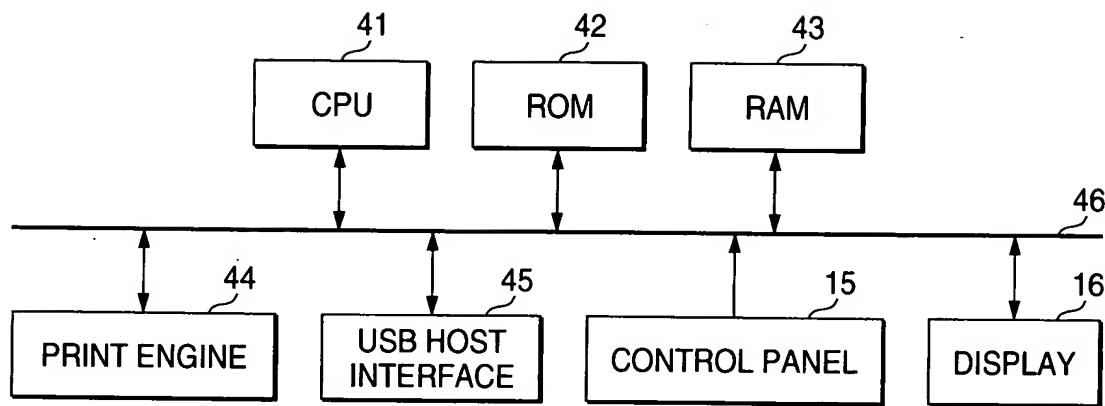


FIG. 5

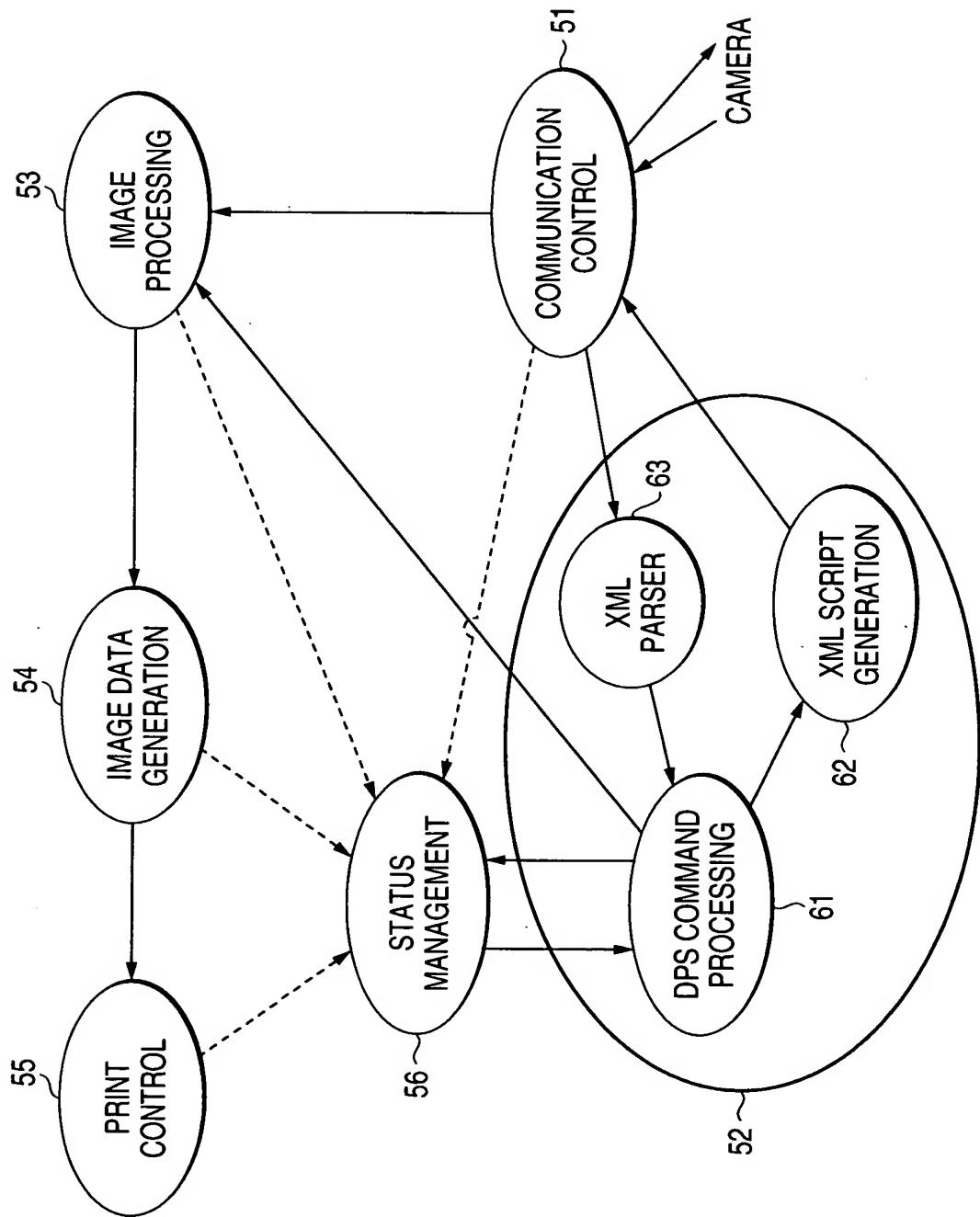


FIG. 6

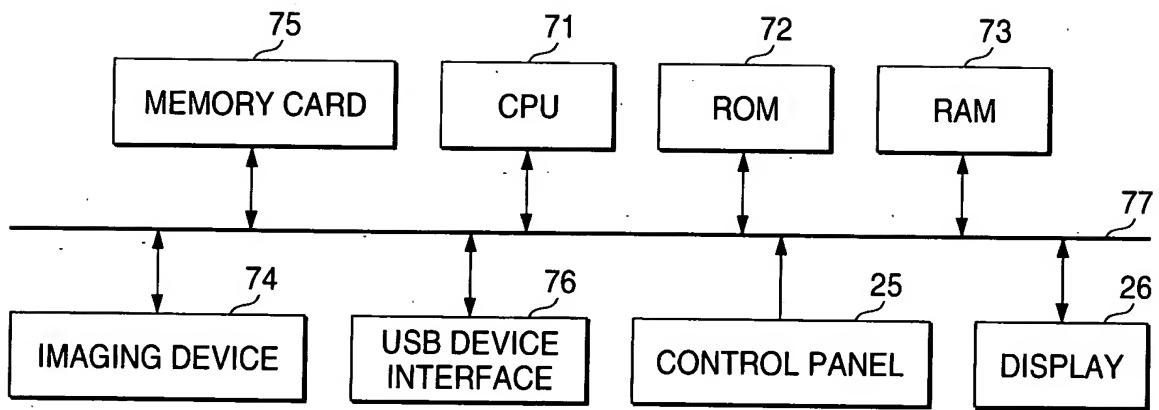


FIG. 7

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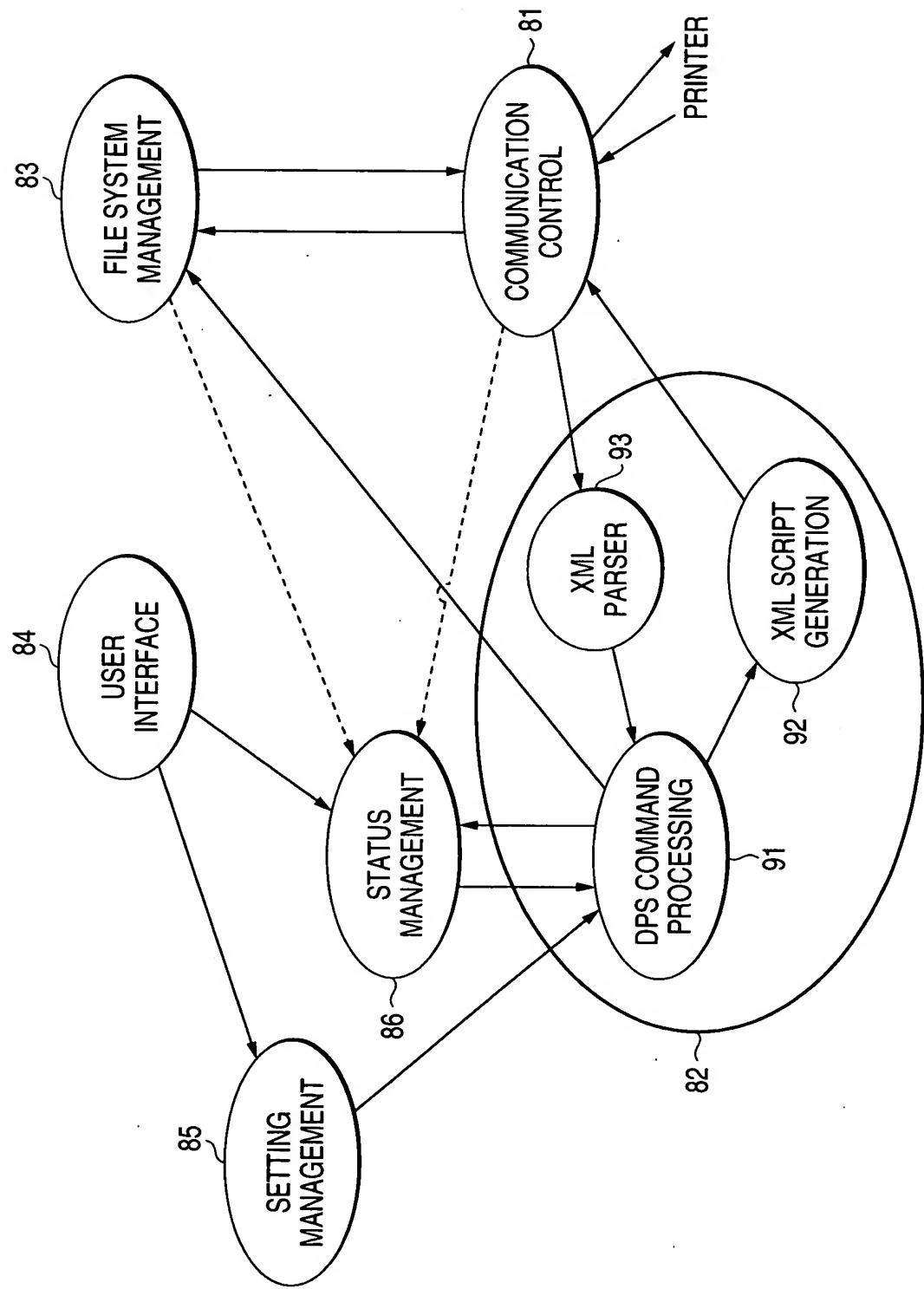


FIG. 8

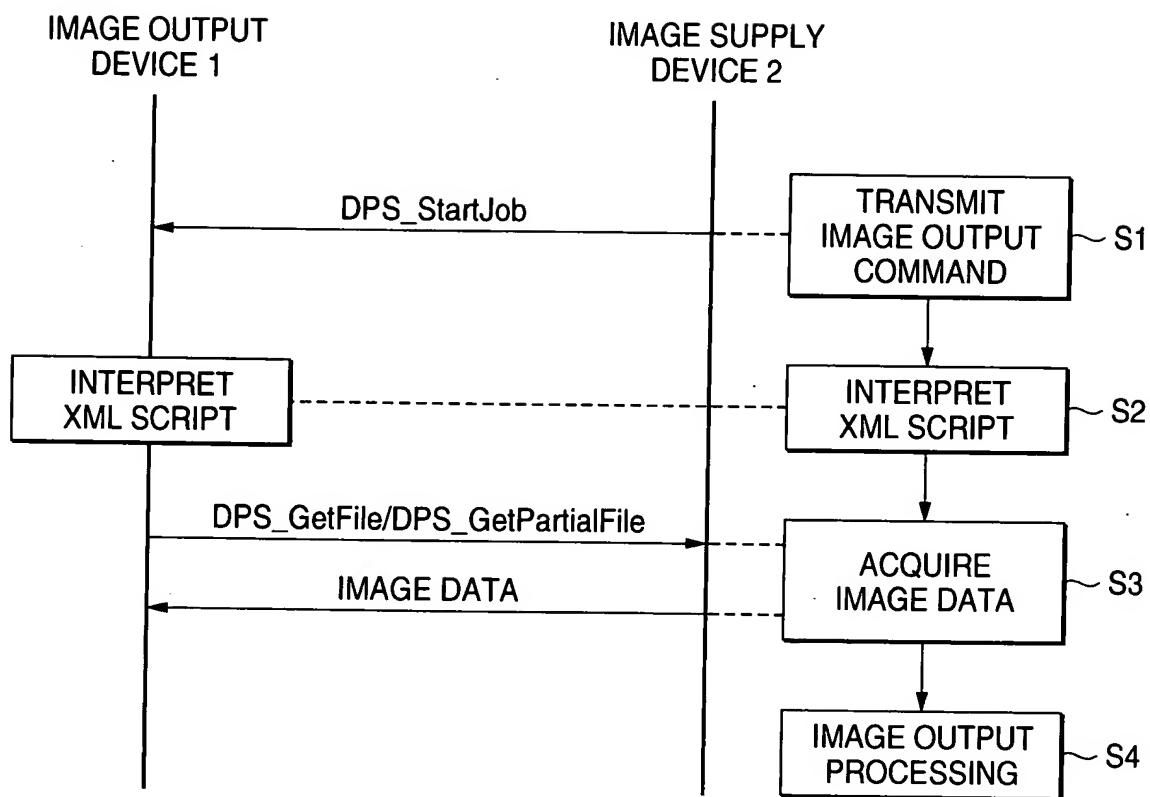


FIG. 9

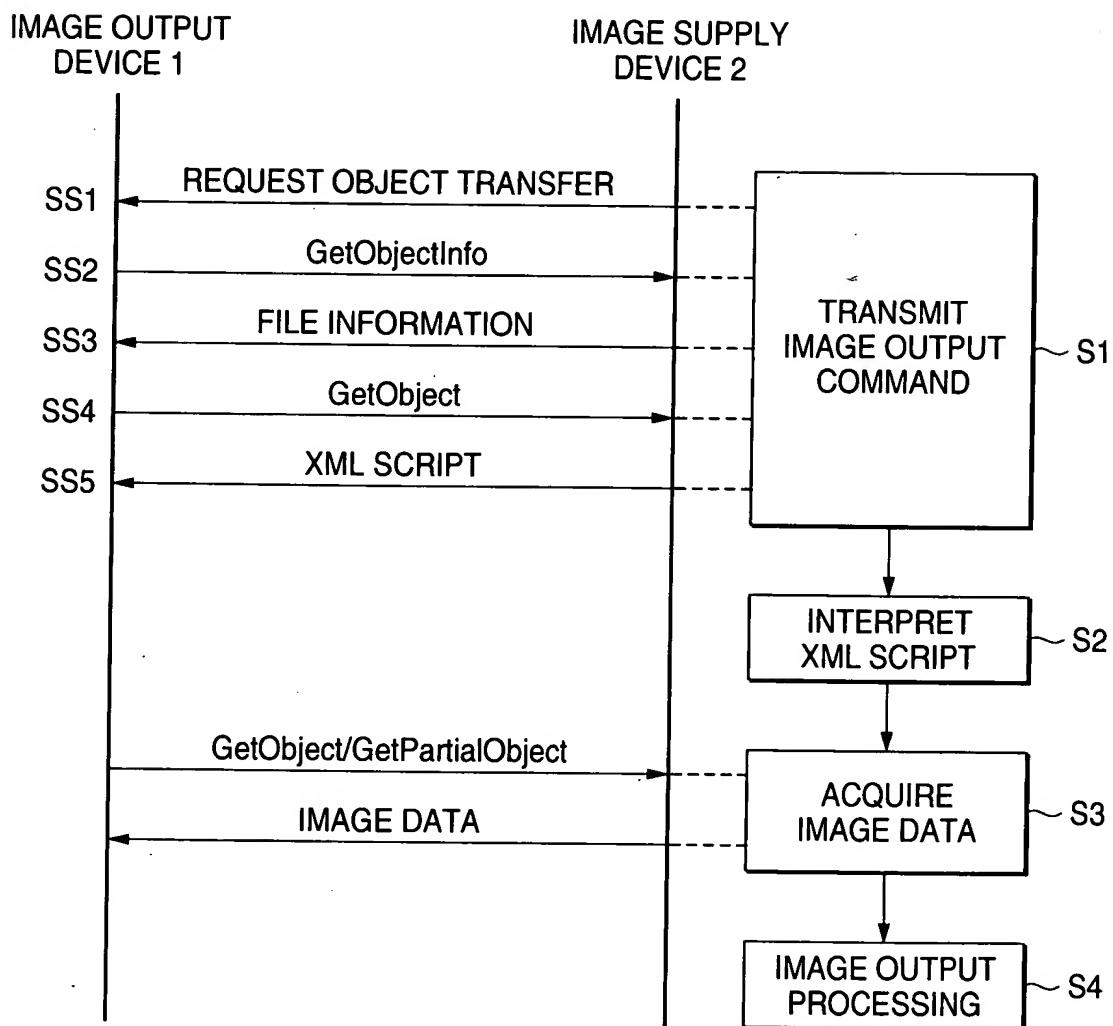


FIG. 10

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <startJobRequest>
    <job>
      <jobConfig>
        <quality>01000000</quality>
        <paperSize>02010000</paperSize>
        <paperType>03020000</paperType>
        <fileType>04150000</fileType>
        <date>05010000</date>
        <fileName>06000000</fileName>
        <imageOptimize>07000000</imageOptimize>
        <layoutItem>08010000</layoutItem>
      </jobConfig>
      <printInfo>
        <image>
          <imageID>00000001</imageID>
          <imageDate>2002/05/30</imageDate>
        </image>
      </printInfo>
    </job>
  </startJobRequest>
</dps>
```

FIG. 11

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <getFileRequest>
    <fileID>00000001</fileID>
    <buffPtr>00100000</buffPtr>
  </getFileRequest>
</dps>
```

FIG. 12

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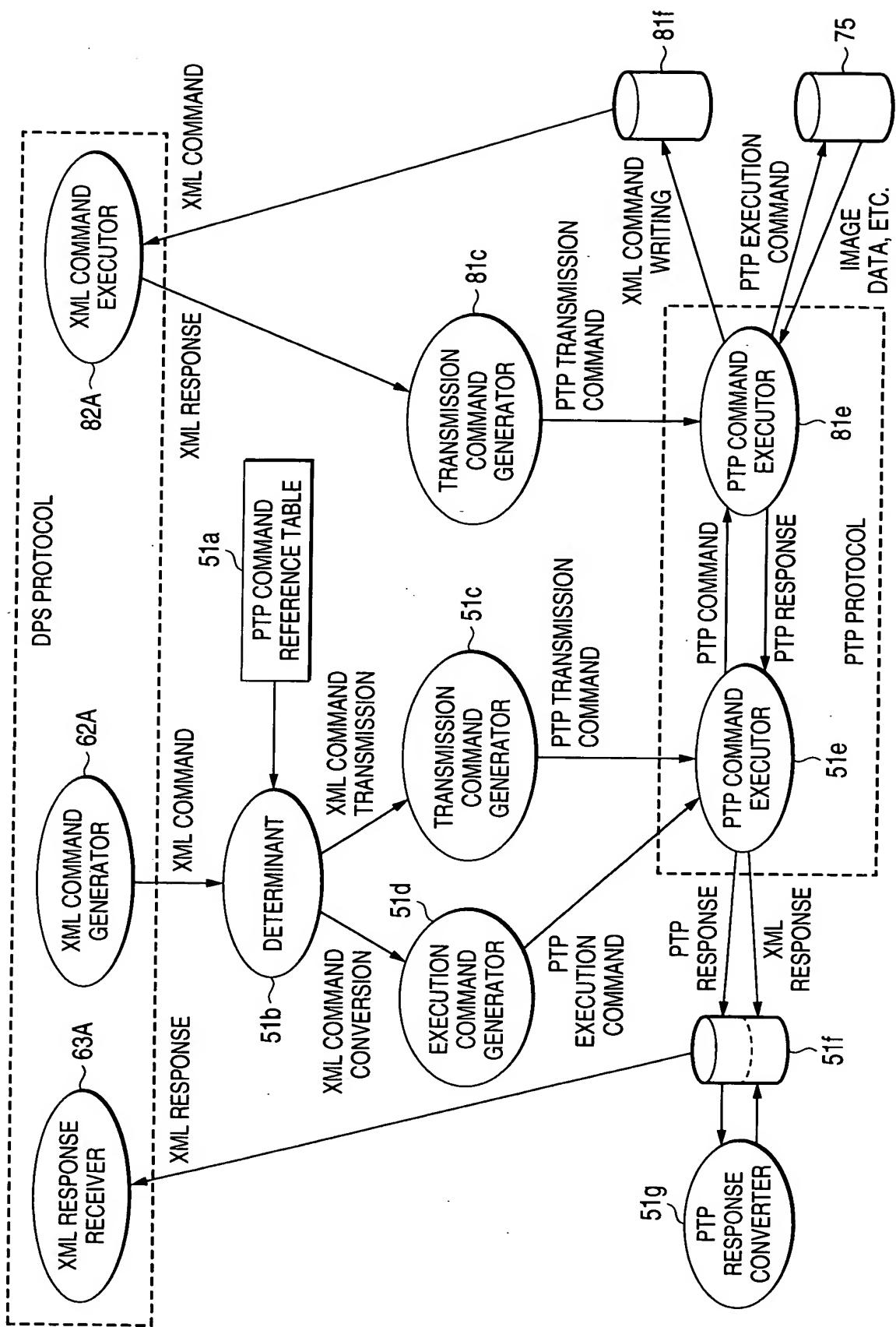


FIG. 13

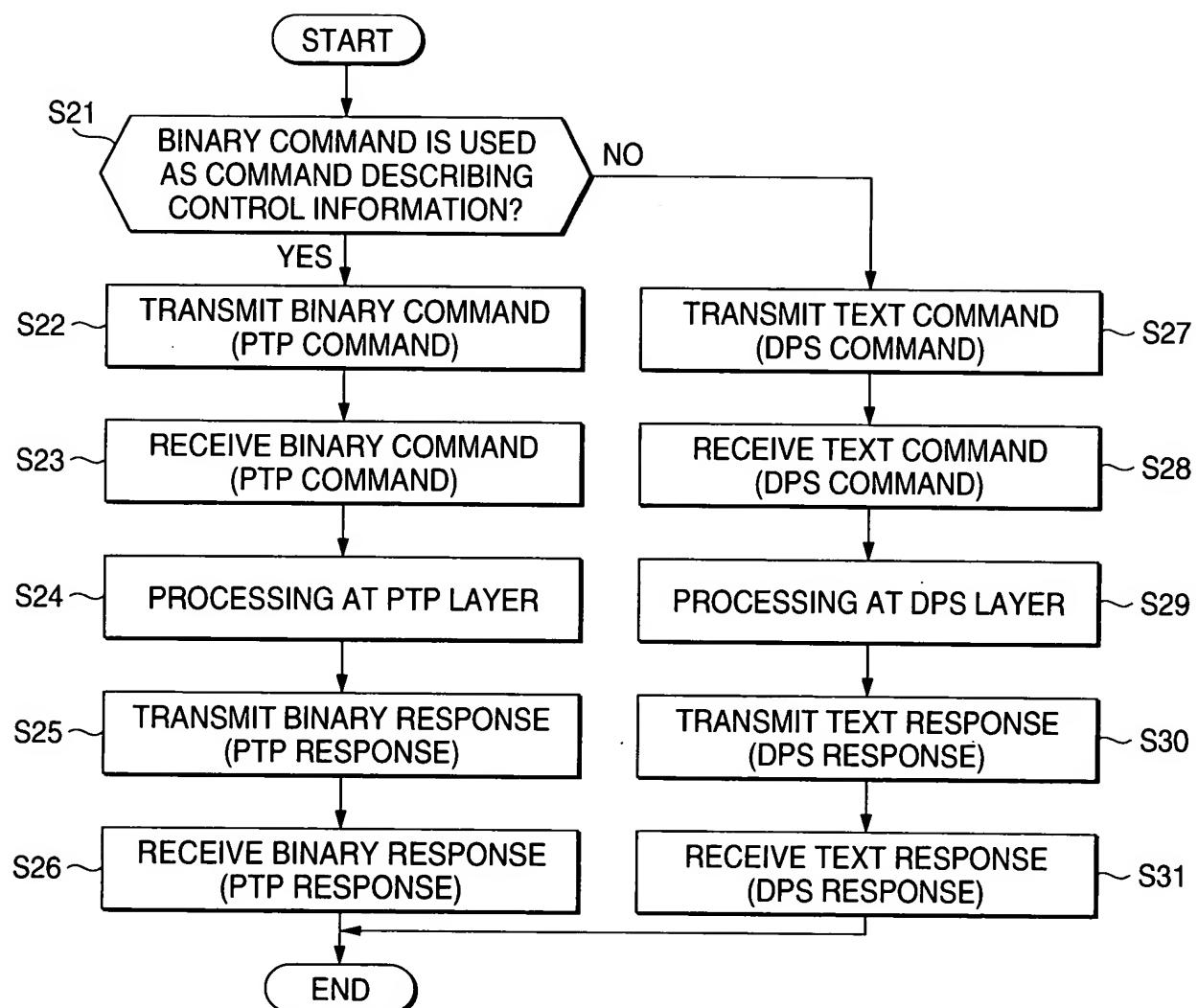


FIG. 14A

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileInfoRequest>
    <fileID>00000001</fileID>
  </GetFileInfoRequest>
</dps>

```

FIG. 14B

```

ptpObjectHandle ← mapID (fileID)
OperationCode: 0x1008
OperationParameter1: ptpObjectHandle
OperationParameter2: None
OperationParameter3: None

```

FIG. 14C

```

fileType ← ObjectFormat FIELD OF
OBJECT INFORMATION DATA SET
fileSize ← ObjectCompressedSize FIELD OF
OBJECT INFORMATION DATA SET

```

FIG. 14D

```

<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <opResult>
    XX000000
  </opResult>
  <getFileInfoResponse>
    <fileType>04000000</fileType>
    <fileSize>1048576</fileSize>
  </getFileInfoResponse>
</dps>

```

FIG. 15

| OBJECT INFORMATION DATA SET | |
|-----------------------------|---------------------------|
| StorageID | 0001h |
| ObjectFormat | 3002h |
| ProtectionStatus | 0000h |
| ObjectCompressedSize | SIZE OF (INPUT OR OUTPUT) |
| ThumbFormat | 0000h |
| ThumbCompressedSize | 00000000h |
| ThumbPixWidth | 00000000h |
| ThumbPixHeight | 00000000h |
| ImagePixWidth | 00000000h |
| ImagePixHeight | 00000000h |
| ImageBitDepth | 00000000h |
| ParentObject | "IMAGE" |
| ASSOSIATION TYPE | 0000h |
| ASSOCIATION DESC | 00000000h |
| SequenceNumber | 00000000h |
| Filename | 001. JPG |
| CaptureDate | 2003/11/01 |
| ModificationDate | 2003/11/01 |
| Keywords | "TEST" |

FIG. 16A

```
{ <?xml version="1.0"?>
  <dps xmlns="http://www.xxxx">
    <GetFileRequest>
      <fileID>00000001</fileID>
      <buffPtr>00000001</buffPtr>
    </GetFileRequest>
  </dps>
```

FIG. 16B

ptpObjectHandle ← mapID (fileID)

FIG. 16C

```
{ OperationCode: 0x1009
  OperationParameter1: ptpObjectHandle
  OperationParameter2: None
  OperationParameter3: None
```

FIG. 16D

```
{ <?xml version="1.0"?>
  <dps xmlns="http://www.xxxx">
    <opResult>
      XX000000
    </opResult>
    <GetFileResponse>
      <fileSize>1058576</fileSize>
    </GetFileResponse>
  </dps>
```

FIG. 17A

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileListRequest>
    <fileType>04000000</fileType>
    <ParentObject>00000001</ParentObject>
  </GetFileListRequest>
</dps>
```

FIG. 17B

ObjectFormatCode ← ObjectFormatID (fileType)

FIG. 17C

```
OperationCode: 0x1007
OperationParameter1: StorageID
OperationParameter2: [ObjectFormatCode]
OperationParameter3: ObjectHandle OF FOLDER, ETC.
REQUESTING CHILD OBJECT LIST
```

FIG. 17D

```
<?xml version="1.0"?>
<dps xmlns="http://www.xxxx">
  <GetFileResponse>
    <imageIDs>00000001 00000002 00000003</imageIDs>
    <numIDs>3</numIDs>
  <getFileResponse>
    <opResult>
      XX000000
    </opResult>
  </getFileResponse>
</dps>
```

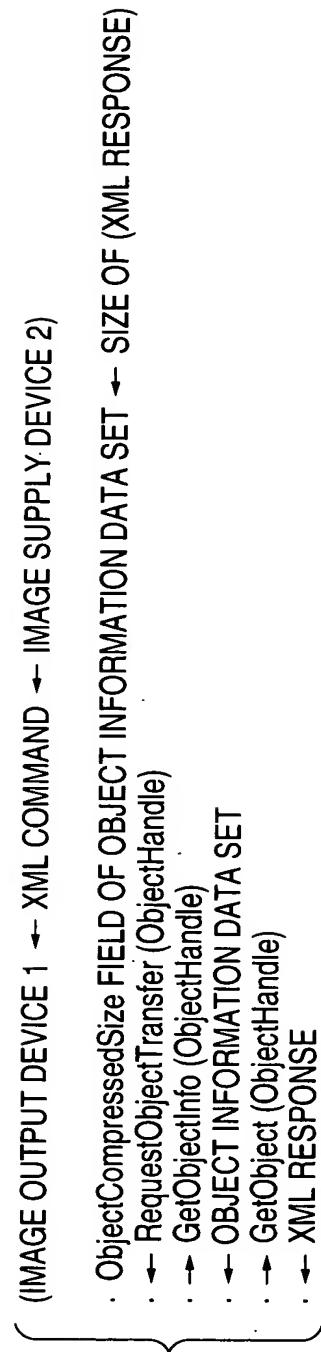
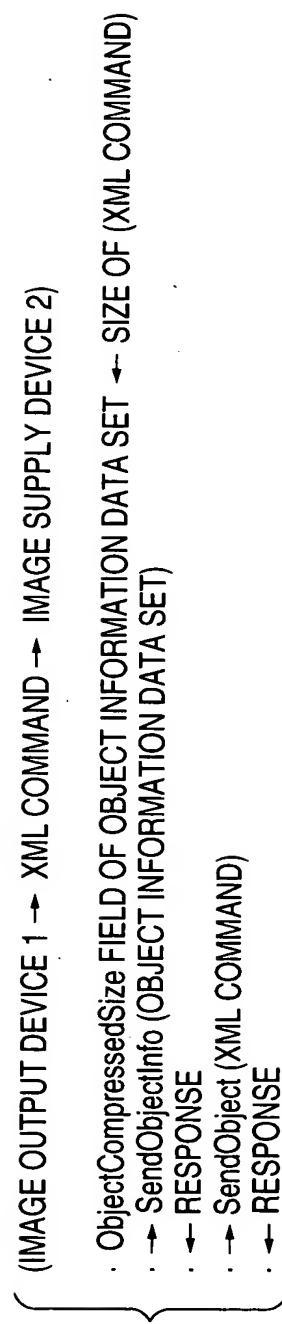


FIG. 19A

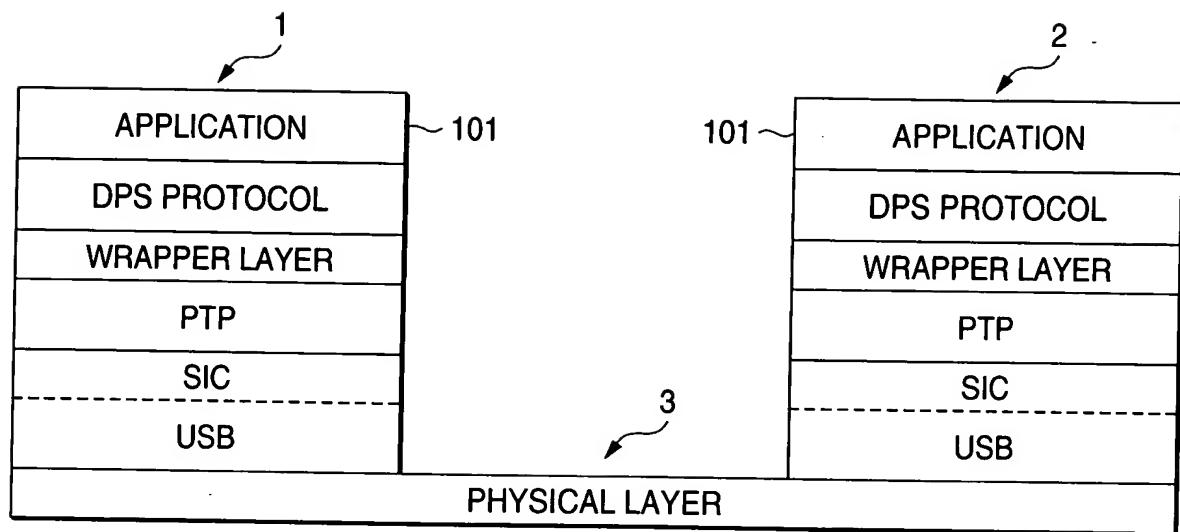


FIG. 19B

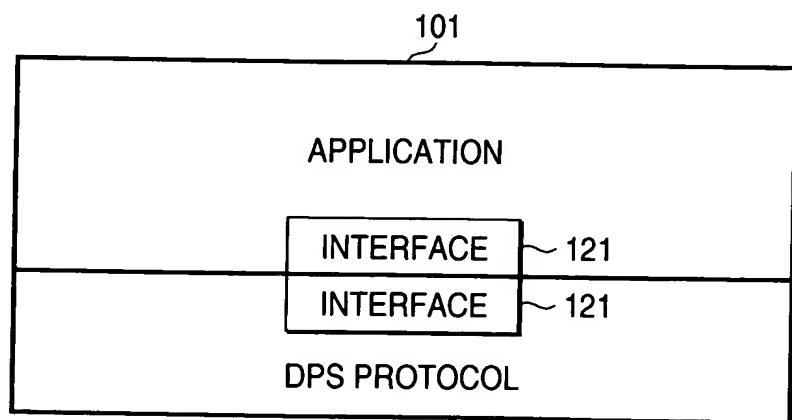


FIG. 20

